

# Sonu Kumar Suman

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## SKILLS

**Languages:** C, C++, JavaScript, Java, Python, HTML and CSS

**Frameworks/ Libraries:** Pandas, NumPy, Scikit-Learn, Matplotlib, Seaborn, Flask

**Tools/Platforms:** MySQL, MongoDB, Git, GitHub, Figma, Power BI, Tableau, Excel

**Soft Skills:** Organized, Time Management, Adaptability, Leadership

## PROJECT

### DSA-Powered Smart Expression Calculator | [GitHub](#)

July' 2025

- Built an advanced calculator web app that solves complex expressions with step-by-step explanations using stack-based evaluation.
- Added DSA visualizations including stack operations, expression trees, and recursion flow for deeper conceptual understanding.
- Implemented client-side history storage with a clean, responsive UI featuring error handling and light/dark theme support.

**Tech:** HTML, CSS, JavaScript, Flask (Python), localStorage, Chart.js (optional)

### Analyzing Fatal Encounters in the U.S. Using Python | [GitHub](#)

Mar' 2025

- Conducted a data-driven analysis of fatal police encounters in the U.S., examining gender, age, and race disparities using Python-based EDA.
- Visualized demographic trends through bar charts, box plots, histograms, and KDE plots to uncover patterns and potential biases in law-enforcement fatalities.
- Delivered clear, fact-based insights to support informed discussions on policing practices, accountability, and demographic differences in deadly force incidents.

**Tech:** Python, Pandas, NumPy, Matplotlib, Seaborn, Jupyter Notebook.

### Amazon Prime Power BI Dashboard | [GitHub](#)

Nov' 2025

- Built an interactive Amazon Prime analytics dashboard to visualize total titles, genres, ratings, directors, and global content distribution using advanced Power BI visuals.
- Analyzed key trends through dynamic charts, including rating categories, genre patterns, country-wise content heatmaps, and yearly release growth.
- Designed a clean Amazon-themed UI with KPIs, slicers, drill-through insights, and DAX measures for deeper content intelligence.

**Tech:** Power BI, Power Query, DAX, Data Modeling, Excel/CSV Dataset.

## TRAINING

### Fundamentals of Data Structures: Learn, Apply and Build Projects | LPU | [Certificate-Link](#)

Jul' 2025

- Applied core data-structure principles to solve problems using arrays, linked lists, stacks, queues, trees, and graphs with efficient algorithmic strategies.
- Built and implemented DSA-based mini-projects, demonstrating hands-on expertise in tree traversals, searching, sorting, and complexity-optimized operations.
- Strengthened understanding of time-space complexity, recursion, and C++-based DSA implementation through structured coursework and practical exercises.

## CERTIFICATES

### Data Analytics Job Simulation by Deloitte. | [Deloitte](#)

Jul' 2025

### Cloud Computing | [NPTEL](#)

May' 2025

### Carrier Essentials in Data Analysis by Microsoft and LinkedIn | [LinkedIn](#)

Sept' 2025

### Oracle Cloud Infrastructure 2025 Certified Data Science Professional by Oracle | [Oracle](#)

Oct' 2025

## ACHIEVEMENTS

- Earned Python-Basic, Java-Basic and SQL advanced Certification from [HackerRank](#) \_ Oct' 2025
- Earned 3-star rating in python, Java, CPP in [HackerRank](#) Jul' 2025
- Completed multiple industry-level projects during Virtual Internship from [Forage](#) Jul' 2025

## EDUCATION

### Lovely Professional University

Punjab, India

- Bachelor of Technology - Computer Science and Engineering; **CGPA: 5.8**

Aug' 2023-Present

### S.A.S High School

Bihar, India

- Intermediate; **Percentage: 66%**

April' 2022- Mar' 2023

### R.S.A.S High School

Bihar, India

- Matriculation; **Percentage: 85%**

Mar' 2021